

PROTOTYPING POWERPOINT PRESENTATION

BACKGROUND

This prototyping project provides you with a set of technical drawings and point form step-by-step instructions for the manufacture of the components. This set of instructions need to provide for all the tooling and operations with the tools to the end of the manufacturing operation.

During the introductory lectures, machine shop employees explained their set-up and safe operating practices to you.

SCENARIO

As a result of a new scriber hand tool that will be produced for the United American market, the manufacturer is first making a small quantity of scribers, prototypes for a focus group before they are put into production. As a result, they have asked you to produce a PowerPoint presentation outlining the steps required to manufacture the scriber by hand using conventional machine tools, that the machine shop employees need to be able to proceed on. The presentation may also be used by company personnel.

INSTRUCTIONS

1. Create a list of materials from the stock materials available in the machine shop, including measurements for any pre-processed finish.
2. You must include clear, well-lit photographs of the stock materials, machine set-up and transformation actions of each step involved in constructing the scriber.
3. Design and illustrate your presentation in a logical step-by-step order with accompanying explanatory annotations (notes) to the machine shop employees to completely understand your work method without any additional verbal input from you. Point form notations are acceptable. Your presentation must be self-explanatory and comprehensible on its own. Clear, straight forward written and verbal communication, integrating appropriate technical terminology where applicable, is required.

OUTCOMES

1. Gauge students' understanding of the concept(s).
2. Help reinforce students' understanding and retention of materials using diagrams, notes and images.
3. Students gain competence in clearly and coherently writing for an audience through the presentation and documentation of an activity using a specific context.